

## Abstract

An embodiment of the invention is a head for perpendicular recording that has a trailing shield and side shields that are connected to the return pole piece by two studs of ferromagnetic material. The studs extend parallel to the track direction and are located a sufficient distance away from the main pole piece to reduce the flux flow from the main pole piece to the studs. Optionally the studs can be recessed behind the air-bearing surface. The preferred embodiment of the invention is a magnetic transducer with separated read and write heads for perpendicular recording.